



# QT-42

## **42 mm BAR FEED CNC lathe**

**Strong, Reliable,  
Accurate, Fast for  
Cost Effective  
Manufacture**



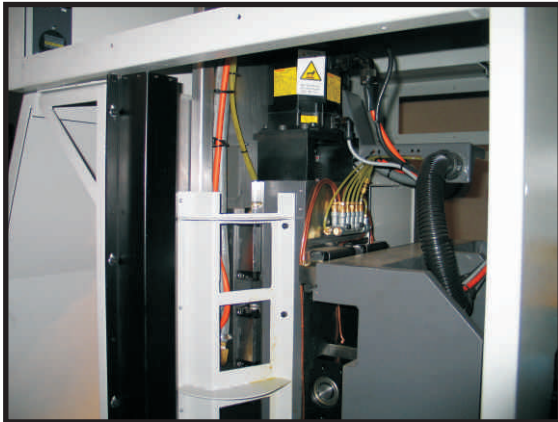
- *Fanuc Oi TC high speed CNC.*
- *Fanuc AC Servo Motors.*
- *5.5/7.5 kW Main Spindle motor.*
- *42mm Collet chuck.*
- *High accuracy and excellent production repeatability.*
- *Excellent machine reliability.*
- *Fast cycle times.*
- *Excellent chip flow.*
- *Ergonomically designed.*
- *Minimum floor space required.*

- \* **PRODUCTIVITY**
- \* **PERFORMANCE**
- \* **PROFITABILITY**

**EFAMATIC**

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The EFAMATIC QT-42 has a Fanuc Oi TC control and a rigidly designed base with a vertical cross slide. This vertical design allows the swarf to fall directly onto the conveyor and both the X and Z axis slides are protected from the ingress of shavings. Both axes are fitted with heavy duty linear guides and large diameter ballscrews supported by precision angular contact bearings. The ballscrews are coupled to the maintenance free Fanuc Digital Servo Motors by high precision couplings which offer the best rigidity and which allow for fast rapid traverse rates and accurate tolerance machining. Automatic lubrication is provided to all the guideways and ballscrews and the lubricator only discharges during machining, thus preventing unnecessary oil contamination of the coolant. A Grundfos high pressure coolant pump which is ideal for U drilling is standard and the base has been designed for excellent chip flow. An option is an A6 spindle which gives a 52mm bar capacity.



*For further information contact:*

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### MACHINE SPECIFICATIONS

Spindle Nose (opt)	A5 (A6)
Collet Chuck Size (opt)	42 mm dia (52mm)
X Axis travel	150mm radius
Z Axis travel	250 mm
Maximum Spindle speed	6000 RPM
Rapid Traverse X Axis	25m/min
Rapid Traverse Z Axis	25m/min
Bar Capacity (opt)	42 mm (52mm )
Turning toolholder size	16 mm square
Maximum Boring Bar diameter	20 mm
X Axis Motor AC	8 Nm continuous
Z Axis Motor AC	12 Nm continuous
Main Motor Power AC	5.5/7.5 kW
X Axis Linear Guide	34 x 32 mm
Z Axis Linear Guide	34 x 32 mm
Ball screw X axis	32 dia x 5mm Pitch
Ball screw Z axis	32 dia x 10 mm Pitch
Machine Weight	2200 kgs

### CONTROL SPECIFICATIONS

LCD Colour Monitor	Multiple repetitive cycles
Toolpath Graphics	Prog. Data input G10
Program memory 120 KB	Background editing
Absolute Encoders	Run hour & parts count
Direct dwg dimension prog	1st Spindle orientation
Canned cycles	64 Tool offset pairs

### STANDARD EQUIPMENT

8 Toolposts	High pressure coolant
Linear Guides	Machine Light
Toolkit	Hydraulic Oil Cooler
Swarf Conveyor	Heat Exchanger
Swarf Bin	

### OPTIONAL EQUIPMENT

Automatic door opener	100mm Power Chuck
Spindle Orientation	Parts Catcher
Special Toolholders	A6 spindle

*Specifications subject to change without notice*